284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CHEM02

Lab Code: ACE SDG No.: Q3279

Instrument ID: BNA_N Calibration Date/Time: 10/17/2025 11:13

Lab File ID: BN038092.D Init. Calib. Date(s): 09/12/2025 09/12/2025

EPA Sample No.: SSTD020247 Init. Calib. Time(s): 11:28 14:45

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
1,4-Dioxane	0.503	0.522	0.010	3.8	40.0
Benzaldehyde	0.699	1.078	0.010	54.2	40.0
Phenol	1.553	1.645	0.080	5.9	20.0
Bis(2-Chloroethyl)ether	1.238	1.403	0.100	13.3	20.0
2-Chlorophenol	1.288	1.418	0.200	10.1	20.0
2-Methylphenol	1.145	1.270	0.010	10.9	20.0
2,2-oxybis(1-Chloropropane)	1.706	1.997	0.010	17.1	20.0
Acetophenone	1.871	2.176	0.060	16.3	20.0
4-Methylphenol	1.235	1.401	0.010	13.4	20.0
N-Nitroso-di-n-propylamine	0.853	1.054	0.050	23.6	20.0
Hexachloroethane	0.548	0.619	0.100	12.8	20.0
Nitrobenzene	0.345	0.384	0.050	11.4	20.0
Isophorone	0.599	0.697	0.050	16.4	20.0
2-Nitrophenol	0.146	0.184	0.050	26.1	25.0
2,4-Dimethylphenol	0.332	0.375	0.050	13.0	20.0
Bis(2-Chloroethoxy)methane	0.399	0.455	0.050	14.1	20.0
2,4-Dichlorophenol	0.288	0.319	0.060	11.0	20.0
Naphthalene	1.068	1.161	0.200	8.7	20.0
4-Chloroaniline	0.427	0.437	0.010	2.2	40.0
Hexachlorobutadiene	0.201	0.208	0.040	3.6	20.0
Caprolactam	0.085	0.090	0.010	5.5	40.0
4-Chloro-3-methylphenol	0.271	0.320	0.040	18.0	20.0
2-Methylnaphthalene	0.702	0.795	0.100	13.1	20.0
Hexachlorocyclopentadiene	0.400	0.429	0.010	7.3	40.0
2,4,6-Trichlorophenol	0.337	0.383	0.090	13.5	25.0
2,4,5-Trichlorophenol	0.392	0.426	0.100	8.7	20.0
1,1-Biphenyl	1.540	1.635	0.200	6.2	20.0
2-Chloronaphthalene	1.213	1.242	0.300	2.4	20.0
2-Nitroaniline	0.276	0.321	0.050	16.1	25.0
Dimethylphthalate	1.335	1.474	0.300	10.4	20.0
2,6-Dinitrotoluene	0.239	0.280	0.080	17.4	40.0
Acenaphthylene	1.936	2.069	0.400	6.8	20.0
3-Nitroaniline	0.256	0.308	0.010	20.5	40.0
Acenaphthene	1.260	1.342	0.200	6.5	25.0
2,4-Dinitrophenol	0.101	0.129	0.010	28.0	40.0
4-Nitrophenol	0.191	0.210	0.010	10.0	40.0
Dibenzofuran	1.719	1.832	0.300	6.6	20.0
2,4-Dinitrotoluene	0.342	0.403	0.070	17.9	40.0
Diethylphthalate	1.269	1.458	0.300	14.9	20.0

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EPA Sample No.: SSTD020247 Init. Calib. Time(s): 11:28 14:45

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
Fluorene	1.393	1.467	0.200	5.3	25.0
4-Chlorophenyl-phenylether	0.670	0.717	0.100	6.9	25.0
4-Nitroaniline	0.241	0.316	0.010	31.1	40.0
4,6-Dinitro-2-methylphenol	0.101	0.125	0.010	24.0	40.0
N-Nitrosodiphenylamine	0.641	0.691	0.050	7.7	20.0
1,2,4,5-Tetrachlorobenzene	0.624	0.615	0.100	-1.4	20.0
4-Bromophenyl-phenylether	0.225	0.237	0.070	5.2	20.0
Hexachlorobenzene	0.275	0.297	0.050	7.8	25.0
Atrazine	0.216	0.227	0.010	5.2	40.0
Pentachlorophenol	0.151	0.168	0.010	11.1	40.0
Phenanthrene	1.159	1.223	0.200	5.5	20.0
Anthracene	1.175	1.257	0.200	7.0	20.0
Carbazole	1.041	1.104	0.050	6.1	40.0
Di-n-butylphthalate	1.056	1.314	0.500	24.4	20.0
Fluoranthene	1.220	1.317	0.400	8.0	20.0
Pyrene	1.298	1.427	0.400	10.0	20.0
Butylbenzylphthalate	0.366	0.539	0.100	47.2	40.0
3,3-Dichlorobenzidine	0.386	0.390	0.010	0.9	40.0
Benzo(a)anthracene	1.283	1.325	0.300	3.3	20.0
Chrysene	1.226	1.265	0.200	3.2	20.0
Bis(2-ethylhexyl)phthalate	0.552	0.819	0.200	48.3	40.0
Di-n-octyl phthalate	0.942	1.237	0.010	31.4	40.0
Benzo(b)fluoranthene	1.181	1.316	0.200	11.5	20.0
Benzo(k)fluoranthene	1.191	1.344	0.200	12.8	20.0
Benzo(a)pyrene	1.132	1.232	0.200	8.8	20.0
Indeno(1,2,3-cd)pyrene	1.481	1.558	0.200	5.2	20.0
Dibenzo(a,h)anthracene	1.224	1.292	0.200	5.5	20.0
Benzo(g,h,i)perylene	1.213	1.251	0.200	3.1	20.0
2,3,4,6-Tetrachlorophenol	0.274	0.335	0.040	22.5	40.0
1,4-Dioxane-d8	0.472	0.488	0.010	3.4	20.0
Pyridine-d5	1.313	1.266	0.010	-3.6	40.0
Phenol-d5	1.492	1.560	0.010	4.5	20.0
Bis-(2-Chloroethyl)ether-d8	0.920	1.028	0.050	11.7	20.0
2-Chlorophenol-d4	1.231	1.355	0.200	10.0	20.0
4-Methylphenol-d8	1.175	1.315	0.010	11.9	20.0
Nitrobenzene-d5	0.151	0.159	0.050	5.6	20.0
2-Nitrophenol-d4	0.123	0.161	0.050	30.2	25.0
2,4-Dichlorophenol-d3	0.282	0.312	0.060	10.6	20.0
4-Chloroaniline-d4	0.427	0.428	0.010	0.1	40.0

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EPA Sample No.: SSTD020247 Init. Calib. Time(s): 11:28 14:45

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.335	1.447	0.300	8.4	20.0
Acenaphthylene-d8	1.669	1.754	0.400	5.1	20.0
4-Nitrophenol-d4	0.250	0.268	0.010	7.0	40.0
Fluorene-d10	1.194	1.237	0.100	3.6	20.0
4,6-Dinitro-2-methylphenol-d2	0.090	0.111	0.010	23.6	40.0
Anthracene-d10	0.994	1.036	0.300	4.2	20.0
Pyrene-d10	1.045	1.089	0.300	4.2	20.0
Benzo(a)pyrene-d12	1.010	1.089	0.010	7.8	20.0

All other compounds must meet a minimum RRF of 0.010.